

Serial No. 09/755,349

Atty. Docket No. 9038-120000

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

Claims 1-10 (canceled)

Claim 11 (currently amended). A system for cleaning a structure comprising:

a cleaning gas source ~~accumulator for retaining a cleaning gas;~~
a liquid source;

a mixing chamber having a first inlet, a second inlet and an outlet,
said first inlet being connected to said cleaning gas source and said second inlet
being connected to said liquid source, said second inlet including a spray head
for combining said cleaning gas and spraying liquid droplets into said mixing
chamber; and

means for coupling an said outlet of said mixing chamber to the structure, wherein the combination of said cleaning gas and said liquid droplets is directed to one or more surfaces of the structure to be cleaned in a sheeting manner.

Claim 12 (currently amended). The system of claim 11 further comprising a control valve ~~coupling said accumulator to~~ located between said cleaning gas source and said mixing chamber.

Claim 13 (currently amended). The system of claim 12 further comprising a filter for receiving said cleaning gas and a heater coupled between said filter and said first inlet ~~accumulator~~.

Claim 14 (original). The system of claim 11 further comprising a heat exchanger for receiving the combination of said cleaning gas and said liquid

Serial No. 09/755,349

Atty. Docket No. 9038-120000

droplets with particulate from the structure and condensing said liquid and the particulate from said cleaning gas.

Claim 15 (original). The system of claim 14 further comprising a filter coupled to said heat exchanger for separating the particulate from said liquid.

Claim 16 (original). The system of claim 15 further comprising a rotameter coupled to said filter for receiving and measuring a quantity of said liquid.

Claim 17 (currently amended). The system of claim 16 further comprising a gas return duct for returning gas from said heat exchanger to said first an inlet ~~associated with said accumulator~~ and a liquid return duct for returning liquid from said rotameter to ~~a liquid~~ said second inlet ~~associated with said mixing chamber~~.

Claim 18 (original). The system of claim 11 wherein said cleaning gas is ambient air and said liquid is water.

Claim 19 (previously presented). The system of claim 11 wherein the structure is a gas turbine bucket.
